

4.4 The Slope of a Line

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\text{Ex 1 } \overset{x_1, y_1}{(-3, 4)} \text{ ; } \overset{x_2, y_2}{(-7, -10)}$$

$$m = \frac{-10 - 4}{-7 - (-3)} = \frac{-14}{-4} = \frac{7}{2}$$

$$\text{Ex 2 } \overset{x_1, y_1}{(-6, -8)} \text{ ; } \overset{x_2, y_2}{(5, 2)}$$

$$m = \frac{2 - (-8)}{5 - (-6)} = \frac{10}{11}$$

Homework: DUCK THAT STEALS WORKSHEET
(TWO-SIDED)